



# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION       | TOP   | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                     | 38. GEOLOGIC MARKERS |             |                  |
|-----------------|-------|--------|-----------------------------------------------------------------|----------------------|-------------|------------------|
|                 |       |        |                                                                 | NAME                 | MEAS. DEPTH | TRUE VERT. DEPTH |
| Ojo Alamo       | 720'  | 768'   | White, cr-grn s.                                                | Ojo Alamo            | 720'        |                  |
| Kirtland        | 768'  | 2006'  | Gry sh interbedded w/tight gry fine-grn ss                      | Kirtland             | 768'        |                  |
| Fruitland       | 2006' | 2350'  | Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss | Fruitland            | 2006'       |                  |
| Pictured Cliffs | 2350' | 3188'  | Gry, fine-grn, tight, varicolored soft ss                       | Pic. Cliffs          | 2350'       |                  |
| Chacra          | 3188' | 3920'  | Gry fn grn silty, glauconitic sdstone with drk gry shale        | Chacra               | 3188'       |                  |
| Mesa Verde      | 3920' | 4038'  | ss. Gry, fine-grn, den sil ss.                                  | Mesa Verde           | 3920'       |                  |
| Menefee         | 4038' | 4670'  | Gry, fine-grn s, carb sh & coal                                 | Menefee              | 4038'       |                  |
| Pt. Lookout     | 4670' | ---    | Gry, very fine sil ss w/frequent sh breaks                      | Pt. Lookout          | 4670'       |                  |

Cementing:

9 5/8" surface - 180 sks. of Class "B" cement w/1/4# gel-flake/sk. and 3% calcium chloride 212 cu. ft.

7" Intermediate Casing - 290 sks. of 65/35 Class "B" Pozmix w/6% gel and 2% calcium chloride, 1/2 cu. ft. perlite, followed by 100 sks. of Class "B" w/2% calcium chloride, 1/2 cu. ft. of perlite 617 cu. ft.

4 1/2" Liner - 335 sks. of 50/50 Class "B" Pozmix w/2% gel, 0.6% Halad-9, 6.25# gilsonite plus 1/4# Flocele per sk. 459 cu. ft.